

CLAIMS

We claim:

1. A method for storing information accessible by a wireless client device, the method comprising:

maintaining a database including a phone bookmark list in a server device, the server device coupled to a wireless data network operating a wireless communication protocol and to a landnet operating a landnet communication protocol; the bookmark list comprising contact information and accessible by the wireless client device through the wireless data network and accessible by a web client device through the landnet; and

updating the phone bookmark list with contact information from one of the wireless client device and the web client device.

2. The method as claimed in claim 1 wherein the phone bookmark database is a SQL database.

3. The method as claimed in claim 1, the method further comprising:

sending a bookmark from the phone bookmark list to the wireless client device over the wireless data network when the wireless client device requests to access the bookmark.

4. The method as claimed in claim 3, wherein the landnet is the Internet and the landnet communication protocol is Hypertext Transfer Protocol (HTTP); and wherein the method further comprising:

translating HTTP commands from the web client device into database commands in the server device for accessing the database to update the phone bookmark list.

5. The method as claimed in claim 4, the method further comprising:

updating the bookmark list from the web client device over the landnet with new contact information; the updated phone bookmark list becoming accessible by the wireless client device over the wireless data network.

6. The method as claimed in claim 3, the method further comprising:

translating wireless communication protocol commands from the wireless client device into database commands for accessing the database to update the phone bookmark list.

7. A method for a wireless client device to access a phone bookmark in a database maintained in a server device, the method comprising:

sending a request to the server device to access the phone bookmark through a wireless network; the phone bookmark capable of being updated by a web client device coupled to a landnet;

receiving the bookmark over the wireless network;

displaying the bookmark on a display screen;

selecting a name from the bookmark; and

making a phone call with respect to the name.

8. The method as claimed in claim 7; wherein the landnet is the Internet and wherein the web client device communicates the server device to access the bookmark in the server device.

9. The method as claimed in claim 7; the method further comprising:

updating a cached bookmark with the bookmark in the wireless client device if the wireless client device maintains the cached bookmark in a cache memory.

10. The method as claimed in claim 9; wherein the selecting a name from the bookmark comprises:

loading a phone number associated with the name into a memory in the wireless client device.

11. The method as claimed in claim 10; wherein the making a phone call with respect to the name comprises:

displaying the phone number in the memory of the wireless client device;

receiving an updated phone number from a user of the wireless client device; and

updating the phone number in the bookmark with the updated phone number when a predefined key is pressed.

12. The method as claimed in claim 11; the method further comprising:

forwarding the updated phone number to the server device over the wireless network to update the bookmark in the server device.

13. A wireless network arrangement, the arrangement comprising:

a server coupled to a plurality of wireless clients through a wireless network system comprising various wireless networks, the server storing a plurality of bookmarks, each associated with one of the wireless clients and storing at least one telephone number and a name associated with the telephone number;

wherein each of the bookmarks can be updated from a web client device coupled to the server via a landnet; and each of the bookmarks can be downloaded to the one of the wireless clients when the one of the wireless clients makes a bookmark request.

14. The arrangement as claimed in claim 13; wherein the landnet is the Internet and the web client device operates a web browser that accesses the bookmark over the Internet.

15. The arrangement as claimed in claim 14, wherein the bookmark is maintained in a SQL database.

16. The arrangement as claimed in claim 15 wherein the server further comprises:

an Internet command to database translator for translating commands from the web browser in the web client over the Internet into database commands for accessing the bookmark.

17. The arrangement as claimed in claim 16, wherein the each of the bookmarks download to the one of the wireless clients is in a markup language specific to the one of the wireless clients.

18. The arrangement as claimed in claim 17; wherein the markup language is selected from a group consisting of Wireless Markup Language (WML), compact Hypertext Markup Language (cHTML) and Handheld Device Markup Language (HDML).

19. An apparatus for accessing a phone bookmark in a server coupling a landnet to a wireless network, the apparatus comprising:

- a memory storing code for a client module;

- a display screen;

- a processor, coupled to the memory and the display screen, executing the code in the memory to cause the client module to:

- initiate a request to the server over the wireless network for a phone bookmark in the server, wherein the phone bookmark can be updated by a web client device coupled to the landnet;

- display on the display screen the phone bookmark upon receiving the phone bookmark after the server renders the request;

- extract a phone number associated with a name from the phone bookmark when the name is selected; and

- dial automatically the phone number to initiate a phone communication after a predefined key is pressed.

20. The apparatus as claimed in claim 19, wherein the processor executes the code in the memory to further cause the client module to:

display the phone number to allow a user to modify the phone number according to the geographic location of the user.

21. The apparatus as claimed in claim 20, wherein the processor executes the code in the memory to still cause the client module to:

send a new phone number to the server when the user updates the phone number being displayed; and

update the bookmark with the new phone number locally.

22. The method of claim 1 wherein the updating the phone bookmark list includes adding a new phone bookmark to the phone bookmark list.

23. The method of claim 1 wherein the updating the phone bookmark list includes editing an existing phone bookmark in the phone bookmark list.

24. The method of claim 1 wherein the contact information includes a phone number.

25. The method of claim 1 wherein the contact information includes a name associated with a phone number.

26. The method of claim 1 wherein the contact information includes a Uniform Resource Locator (URL).

27. The method of claim 1 wherein the bookmark list is a phone bookmark list.